

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov

**NOTICE OF PROPOSED AWARDS**

Cost Reductions, Advanced Technology for Solar Modules (CREATE Solar)
GFO—18—303

June 12, 2019

On February 28, 2019, the California Energy Commission released a competitive solicitation to fund Applied Research and Development projects that catalyze recently achieved advancements in materials science and manufacturing processes for thin-film photovoltaics (PV) technologies. These projects support scaling and the establishment of new high value market applications, and result in improved performance and reliability of thin-film PVs, higher throughput of existing manufacturing processes, reduced production costs, and adoption of distributed energy resources technologies in California. Up to \$9 million EPIC funding was available to fund applications in Group 1 and 2:

- **Group [1]:** Conventional Thin-film Photovoltaics
- **Group [2]:** Emerging Thin-film Photovoltaics

The Energy Commission received seven proposals by the due date of April 22, 2019. Each proposal was screened, reviewed, evaluated, and scored using the criteria in the solicitation. Five proposals passed the Stage One Application Screening.

The attached “Notice of Proposed Awards” identifies each applicant selected and recommended for funding by Energy Commission staff and includes the recommended funding amount and score. The total amount recommended is \$2,593,260.

Funding of proposed projects resulting from this solicitation is contingent upon the approval of these projects at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement. If the Energy Commission is unable to timely negotiate and execute a funding agreement with an Applicant, the Energy Commission, at its sole discretion, reserves the right to cancel or otherwise modify the pending award, and award the funds to another applicant.

In addition, the Energy Commission reserves the right to: 1) add to, remove, or shift funding between the different groups if there are insufficient passing proposals in one group; and 2) negotiate with successful applicants to modify the project scope, schedule, and/or level of funding.

This notice is being mailed to all parties who submitted an application to this solicitation and is also posted on the Energy Commission’s website at www.energy.ca.gov/contracts/.

For information, please contact Douglas Harvey at (916) 654-4747 or douglas.harvey@energy.ca.gov.

Douglas Harvey
Commission Agreement Officer



California Energy Commission

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Notice of Proposed Awards

Project Group 1: Conventional Thin-film Photovoltaics

6/12/19

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	The Regents of the University of California, University of California, Merced Campus	Accelerating GaAs's Advancement Down the Learning Curve	\$3,000,000	\$0	\$3,000,000		
Disqualified							
	Suntactics	Suntactics dual Axis Solar Tracker Manufacturing Launch and Development Project	\$2,000,000	\$0	\$896,928		
Grand Total			\$5,000,000	\$0	\$3,896,928		



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Project Group 2: Emerging Thin-film Photovoltaics

6/12/19

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Tandem PV, Inc.	Processing and Architecture Design to Develop and Demonstrate Stable and Efficient Perovskite + Silicon Tandem Modules	\$999,802	\$999,802	\$999,986	98.1	Awardee
2	The Regents of the University of California, University of California, San Diego Campus	High-Efficiency Perovskite Tandem Modules with Resilient Interfaces	\$993,458	\$993,458	\$554,795	91.1	Awardee
3	The Regents of the University of California; University of California, Los Angeles Campus	"Smart Greenhouse": Integrated Photovoltaics/Photosynthesis for Energy and Food	\$600,000	\$600,000	\$60,000	76.3	Awardee
Did Not Pass							
	The Regents of the University of California, University of California, Los Angeles Campus	Tailoring Materials and Growth for Durable and Efficient Large Area Perovskite Modules	\$600,000	\$0	\$60,000		
Disqualified							
	General Molded Glass	Smart Textured Solar Glass for Thin-film Photovoltaics	\$1,000,000	\$0	\$0		
Grand Total			\$4,193,260	\$2,593,260	\$1,674,781		